

FIG. 1

2/7

202

	BITS	BYTES	FORMAT
network_info_table_section(){			
table_ID	8	1	uimsbf value 0xC2
zero	2	2	bslbf
reserved	2		bslbf
section_length	12		uimsbf
zero	3	1	bslbf
protocol_version	5		Sec. 4.4.1
first_index	8	1	uimsbf range 1-255
number_of_records	8	1	uimsbf
transmission_medium	4	1	uimsbf
table_subtype	4		uimsbf see Table 5.2
for (i=0; i<number_of_records; i++) {			
if (table_subtype==CDS) {			
CDS_record()		((5))	204
}			
if (table_subtype==MMS) {			
MMS_record()		((6))	208
}			
descriptors_count	8	(1)	uimsbf range 0-255
for (i=0; i<descriptors_count; i++) {			
descriptor()	*	((*))	optional
}			
for (i=0; i<N; i++) {			
descriptor()	*	(*)	optional
}			
CRC_32	32	4	rpchof

FIG. 2

204

214

210

	BITS	BYTES	FORMAT
CDS_record(){			
number_of_carriers	8	1	uimsbf
spacing_unit	1	2	bslbf see Table 5.4
zero	1		bslbf
frequency_spacing	14		uimsbf range 1-16, 383
frequency_unit	1	2	bslbf units of 10 or 125kHz see Table 5.5
first_carrier_frequency	15		uimsbf range 0-32, 767 units of 10 or 125kHz

FIG. 3

3/7

	BITS	BYTES	FORMAT
208~			
MMS_record(){			
transmission_system	4	1	uimsbf see Table 5.7
inner_coding_mode	4		uimsbf see Table 5.8
split_bitstream_mode	1	1	bslbf {no, yes}
zero	2		bslbf
modulation_format	5		uimsbf see Table 5.9
zero	4	4	bslbf
symbol_rate	28		uimsbf units: symbols per sec.
}			
220~			

FIG. 4

	BITS	BYTES	FORMAT
230~			
shortform_virtual_channel_table_section() {			
table_ID	8	1	uimsbf value 0xC4
zero	2	2	bslbf
reserved	2		bslbf
section_length	12		uimsbf
zero	3	1	bslbf
protocol_version	5		see Sec. 4.4.1
transmission_medium	4	1	uimsbf
table_subtype	4		uimsbf see Table 5.14
VCT_ID	16	2	uimsbf
if (table_subtype==DCM) {	*	(*)	
DCM_structure()			
}			
if (table_subtype==VCM) {	*	(*)	234
VCM_structure()			
}			
if (table_subtype==ICM){	*	(*)	238
ICM_structure()			
}			
for (i=0 ; i<N ; i++) {	*	(*)	optional
descriptor()			
}			
CRC_32	32	4	rpchof

FIG. 5

4/7

234

	BITS	BYTES	FORMAT
DCM_structure(){			
zero	4	2	bslbf
first_virtual_channel	12	1	uimsbf range 0-4095
zero	1	1	bslbf
DCM_data_length	7		uimsbf range 1-127
for (i=0; i<DCM_data_length; i++) {			
range_defined	1	(1)	bslbf {no, yes}
channels_count	7		uimsbf range 1-127
}			
}			

244

246

248

FIG. 6

238

	BITS	BYTES	FORMAT
VCM_structure(){			
zero	2	1	bslbf
descriptors_included	1		bslbf {no, yes}
zero	5		bslbf
splice	1	1	bslbf {no, yes}
zero	7		bslbf
activation_time	32	4	
number_of_VC_records	8	1	uimsbf
for(i=0; i<number_of_VC_records;i++) {			
virtual_channel()	*	(*)	
}			
}			

252

250

FIG. 7

250

	BITS	BYTES	FORMAT
virtual_channel(){			
zero	4	2	bslbf
virtual_channel_number	12		uimsbf range 0-4095
application_virtual_channel	1	1	bslbf {no, yes}
zero	1		bslbf
path_select	1		bslbf see Table 5.18
transport_type	1		bslbf see Table 5.19
channel_type	4		uimsbf see Table 5.20
if (application_virtual_channel){			
application_ID	16	(2)	
} else {			
source_ID	16	(2)	
}			
if transport_type==MPEG_2){			
264	8	((1))	uimsbf range 1-255
268	16	((2))	
MMS_reference	8	((1))	uimsbf range 1-255
} else /* non-MPEG-2 */			
CDS_reference	8	((1))	uimsbf range 0-255
scrambled	1	((1))	bslbf {no, yes}
zero	3		bslbf
video_standard	4		uimsbf see Table 5.21
zero	16	((2))	bslbf
}			
if (descriptors_included) {			
descriptors_count	8	(1)	uimsbf
for (i=0; i<descriptors_count; i++){			
descriptor()	*	((*))	
}			
}			

FIG. 8

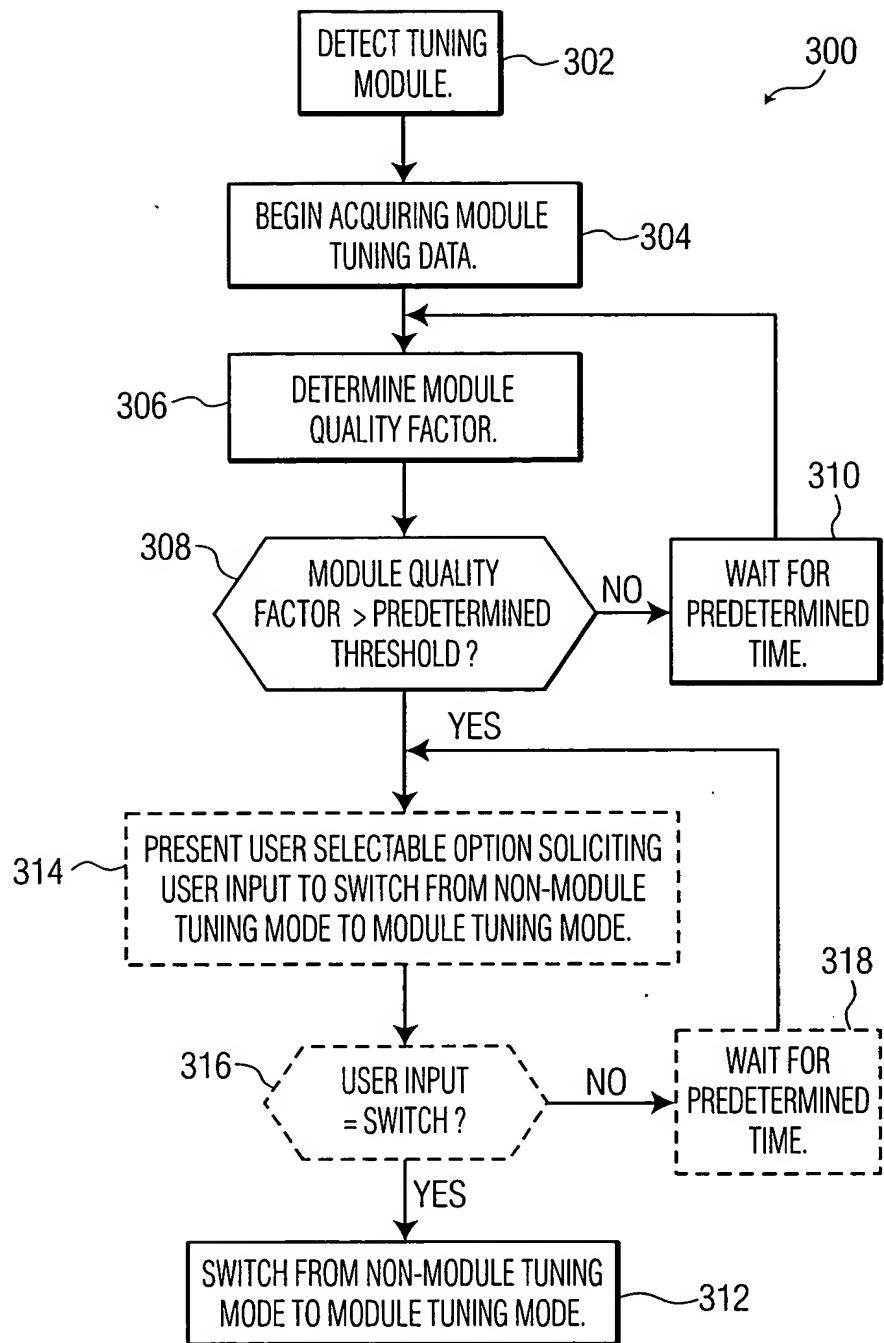


FIG. 9

7/7

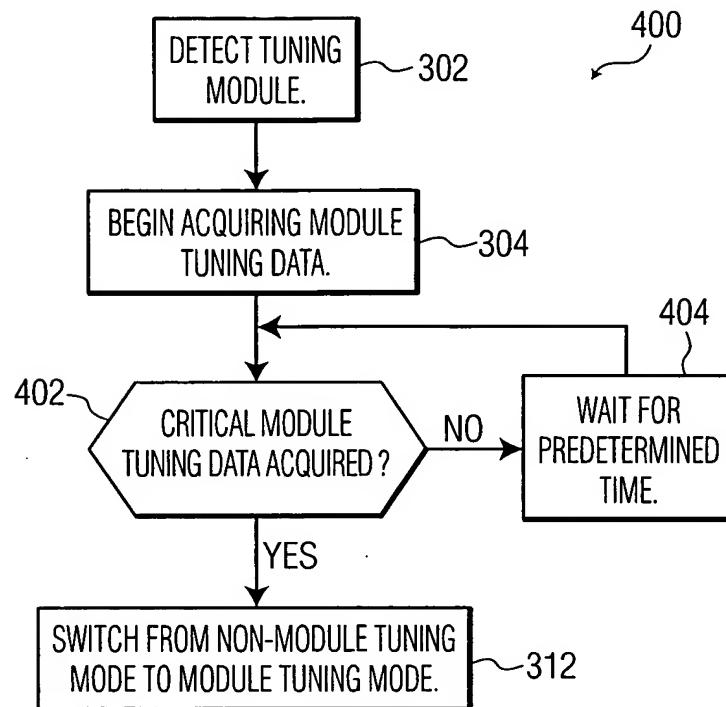


FIG. 10

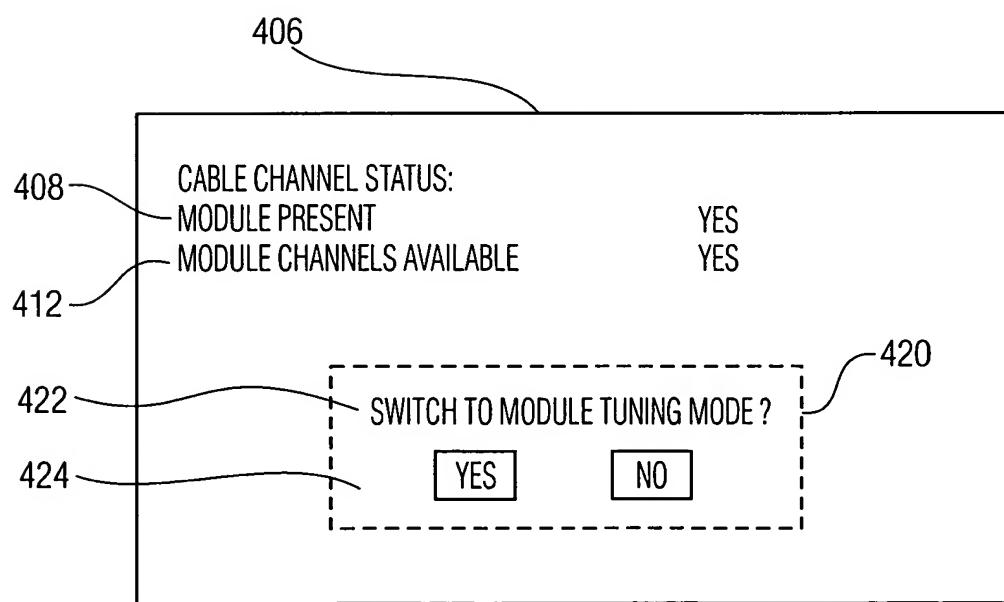


FIG. 11